SBR 49/16-17 dt 24-6-16

Original/Duplicate/Triplicate

No. 1st & FINAL BILL

CONTRACT CERTIFICATE

(For Other Works)

Date : .....

Division DD

Sub-Division Shettyhalli

Bill Received No. 200 Dated 30/6/16

Cash Book Voucher No. ..... Dated : .....

Scheduled Doctet No. .....

Head of Account .....

Name of work (as per sanctioned estimate) DRILLING BORE WELLS AT W.NO.12 SHETTY HALLI SUB DIVISION

Name of Contractor and Full Address SRI. R. SHIVARAM

Reference to Agreement No. EE/DD/WO/ 51 / 15-16 Date: 24.03.2016

Certified that the measurements were taken by me on 20/6/16. and recorded in pages 179445/1 to 179445/2 of measurements Book No. 1795 13-14 and that the work is satisfactorily executed.

Contractor

Officer - in - charge of work

Certified that the measurements were checked by me on 20/6/2016 and found correct. The work is satisfactorily executed.
Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

EXECUTIVE ENGINEER Bruhat Bangalore Mahanagara Palike Dasarahalli Division Bangalore-73

Sub - Division Officer

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

If Memorandum of Payment

JOB CODE: 012-16-000006

		AMOUNT
1.	Total value of work done or supplies made as per account.	
2.	Deduct amount to be held in reserve being ..... percent Rs.	
3.	- do - Balance	
4.	Deduct Payments :	
	a) Amount of previous payment as in the Office Cash Book Voucher No..... Dated ..... S.D. No.	
	Amount adjusted towards cash advance recovery of	
	b) Payments cost store or other materials supplied.	
5.	Balance being unpaid value of work done held in reserve	Total --
6.	Deduct cash advance made on the office Cash Book Vehicle No. ..... dated ..... less adjustments	
7.	Net amount due to or from contractor	
	Unadjusted items	
8.	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied.	
		Total amount adjusted --

ZE 2179782=00
IT - 21798-
KST - 8791-
LWC - 2179-
CSF - 2180-
Fine -
Ded - 132987-
Net 2046815=00

Audited and admitted for Rs. 2179782=

Passed by Cheque for Rs.

2046 815-

1329 87=00

by adjustment Rs

Executive Engineer

Contractor Signature

Received Rs. ..... (in words)

..... by cash and by adjustment of

Payment as per memorandum.

(In final settlement of all demand)

Witnes sre :

1.

2.

Stamp

Date

Signature of Contractor

(For use in the Office)

Paid by me by cheque No..... Dated .....

Cash Rs. ..... Dated .....

Initials of Officer making payment dated .....

Executive Engineer

	Items of work (grouped under sub-heads the sub works of the estimate)
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation eith pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers' reconnaissance survey of geological formation, Geological investigation of existing ground water i quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper se depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other including transportation of instrument and accessories to work site, engaging technical personal and complete as per specfication & as per direction of Engineer-in-charge
2	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 90 strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., cor testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pi complete as per specfication & as per direction of Engineer-in-charge 0.00 to 50.00 Mtr.
3	50.00 to 100.00 Mtr.
4	100.00 to 150.00 Mtr.
5	150.00 to 200.00 Mtr.
6	200.00 to 250.00 Mtr.
7	250.00 to 300.00 Mtr.
8	300.00 to 350.00 Mtr.
9	PVC pipes 6kg/sqm 250mm outer dia complete as per specfication & as per direction of Engineer-in-ch
10	Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electri welded midle steel tube material confirming to IS 1387/!993 and manufactured from hot rolled steel s length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end(including of all ta specfication & as per direction of Engineer-in-charge
11	175 mm dia M.S. Casing cap complete as per specfication & as per direction of Engineer-in-charge
12	supply of 175mm M.S collars each complete as per specfication & as per direction of Engineer-in-char
13	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha m well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclos drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 with required accessories such as suction, casing, suction strainers, sand guard. Non return valve e and motor shall from an integral unit with all the required fittings 15.000. HP 30 stage complete as pe direction of Engineer-in-charge
14	suppling and fixing ISI marked Galavanised nild stell tube (conteneous welded electrical resisita freezuency inclucation whelded hot finished we with latest amendments, pipes threded at both aen with HD colled as per specification in random lenghts 4 to 7 confirming to is 1239/part 1990 with am all its latest amendement if any : the pipe suppiled ahould be with BIS mark galvanised iron pipe 50mm dia "C" class (heavy duty collar)(PRED banglore =circle rate dated 26.07.2010) complete as p direction of Engineer-in-charge

	Unit	Previous		Present Measurement			Total Up-to-date		Remarks
		Qty	Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
hand uding uality, al the pipe, uired d etc	nos			3	1816	5448			
in all elding yield etc.,)	Mtr			150	296	44400			
	Mtr			150	386	57900			
	Mtr			150	430	64500			
	Mtr			150	454	68100			
	Mtr			150	525	78750			
	Mtr			150	563	84450			
	Mtr		145	150	600	90000 87000			
	each			45	1031	46395			
nous dom per	Mtr			238 240	1278	304164 306720			
	Each			25 3	94	2350 282			
	Each			150 42	141	21150 5922			
eep CF ure tted mp per	set			3	66232	198696			
HI cte ith 90 er	Rmtr			894 900	197	31250 177300 31520 176118			

15	suppling & fixing 50mm dia GI collar heavy duty (PRED SE approved rates 12.133 pg no.III/78
16	Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper flexible copper conductor confirming to table 3 class 5 of IS: 8130-1984 and virgin grade PVC insulation and shea suitable for working voltage upto 1100 volts 4 sqmm of 56 strands 0.3mm dia , Group A complete as per specfication per direction of Engineer-in-charge
17	supplying and fixing of 50mm dia GI union ISI mark complete as per specfication & as per direction of Engineer-in-charg
18	supplying and fixing of 50mm dia GI Nipple with ISI mark complete as per specfication & as per direction of Engine charge
19	KSRB 13-7-.2-1: providing and fixing in position 50mm nominal bore gun metal non return vaule vertical type of appr make including cost of all materials labour and HOM of equipments with all leads complete as per specifications comple per specfication & as per direction of Engineer-in-charge
20	supply and fixing 50mm dia Elbow with ISI mark complete as per specfication & as per direction of Engineer-in-charge
21	Suppyling of TPST with rewireable procelain channels in SM incloser 3amps complete as per specfication & as per dire of Engineer-in-charge
22	suppling and fixing polished wood brand made of not less than 15mm thicl plank on both sides made out of non more th pieces and fixing the same wall using tapperd inverted wooden plugs,raws,screws etc.(20x20x2.5 complete as specfication & as per direction of Engineer-in-charge
23	suppyling and fixing and wiring heavy duty low voltage capacitos conforming to IS 2834.3 phase 400/400 volts grade power factor improvement of rotating machinery coast per KVAR b group Bup to 5KVAR complete as per specfication per direction of Engineer-in-charge
24	Supplying and fixing miniature circuit breakers/isolators in existing MCB distribution boards using necessary fixing mat and wiring complete as required, 5 to 32 Amps DP complete as per specfication & as per direction of Engineer-in-charge
25	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter b using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit,/ the pit should be filled with equal proportion of sal charocal 150 mm alround the pipe to complete depth the connections from the pipe to the conduit etc,. is to be establi though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and checknuts etc pipe shall have 16 through holes of 122mm dia complete as per specfication & as per direction of Engineer-in-charge
26	Supplying and fixing Class-A (medium duty)GI Pipe of wall thickness not less than 3.25mm on pole?wall .drain cros with necessary clamping arrangments for UG Cable of 1.1 KV class 40mm complete as per specfication & as per directi Engineer-in-charge
27	Supplying and laying of L.T.U.G Cable having aluminium conductor PVC insulated shethed galvanised steel wire/ steel armoured cable with PVC outer sheathing 1.1 KV class 4class B PVC Cable core 16 sqmm complete as per specficat as per direction of Engineer-in-charge
28	Digging of trenches of 60 x 50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Com sutting road surfaces complete as per specfication & as per direction of Engineer-in-charge
29	Labour charges for laying 1.1KV class UG cable when supplying departmentally/agency in excisting trench GI pipe /s ware pipe /on wall /on pole as required a 6sqmm to 16sqmm complete as per specfication & as per direction of Engine charge
30	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmmUG cable filled with necessary bitumen/ insu compound complete with terminals, clamps, bolts nuts and washers etc,4 core 16sqmm (ele SR of 14&15 pg-62/7,ino 1
31	supplying of porcelain fuse channel with cutouts 32amp complete as per specfication & as per direction of Engine charge

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with ıthed & as	Mtr			1902 1980	149	283398 295020				
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er-in-	mtr			9	98	882				
oved te as	mtr			3	1073	3219				
	mtr			9	104	936				
ction	nos			3	1751	5253				
ıan 2 per	nos			3	283	849				
. For & as	nos			3	130	390				
erials	nos			3	392	1176				
oard t and shed ,. the	nos			3	2556	7668				
ssing on of	Mtr			3	324	972				
tape ion &	Mtr			45	132	5940				
plete	Mtr			30	100	3000				
stone er-in-	rmt			30	10·8	324				
lating 3.2)	nos			9	263	2367				
er-in-	nos			9	169	1521				

32	Earthwork excavation for pipe line trenches including depositing on bank upto a lead of 50m including sh ,danger lighting and using sight rails and bonding roads at every 100m wherever necessary as directe starta manual means 75mm dia 6kg/cm2 complete as per specfication & as per direction of Engineer-in-ch
33	62mm dia 6kg/cm2
34	Providing and installing at site of work PVC Pipes of 2 including cost of pipes and specials and labour, incl trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms wi earth available from the excavation etc., complete 75mm dia 6kg/cm2
35	62mm dia 6kg/cm2
36	Gate value 50mm nominal type A)50mm dia complete as per specfication & as per direction of Engineer-in
37	A)65mm dia
38	Gunmetal non return valve 50mm nominal bore vertical type complete as per specfication & as per directi charge
39	KSRB 2-4 Refilling available earth around pipe lines, trenches with slected available earth from trench ex watering,consolidation in layers of 15cms thick including disposing of surpuls earth eith alead 200mtr specfication & as per direction of Engineer-in-charge

CERTIFICATE:

1 Work done is satisfactory

2 There are no departmental issuesmade to the contractor

3 The contractor has cleared all debrice from work spot

Ravi.N.K.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

rutting lowing	Cum			455.62	127	57864			
	Cum		465.07	~~455.62~~ 303.75	177	80644 ~~53763~~			
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